AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-290

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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ANS-290 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2021 Oct 17

Virtual AMSAT Space Symposium and Annual General Meeting - October 30, 2021

Due to the lingering effects of the COVID-19 pandemic, AMSAT has changed plans for its 39th Annual Symposium and General Meeting from an in-person event to a virtual event.

This is a chance for "Amateur Radio in Space" enthusiasts from all corners of the globe to learn more about AMSAT's Strategic Plan, GOLF program, CubeSat Simulator and other exciting developments taking place in the amateur satellite world.

AMSAT will host its 2021 AMSAT Virtual Space Symposium and Annual General Meeting on Zoom for its members on Saturday, October 30th from 9:00am CDT – 5:00pm CDT (UTC-5). The event will be a combination of pre-recorded video segments along with live question and answer sessions.

Registration for members is required and is available on AMSAT's Member Portal, launch.amsat.org. Registration is free and registered attendees will receive a digital copy of the AMSAT Symposium Proceedings, entered into the Symposium prize drawings, and be able to participate in discussions during each question and answer session.

The 2021 AMSAT Virtual Space Symposium and Annual General Meeting will be available to the general public on AMSAT's YouTube channel, https://youtu.be/RTvcceM7Tz0 at no cost.

Final papers for the Symposium Proceedings must be submitted by October 18, 2021 to Dan Schultz, N8FGV, n8fgv at usa dot net. Symposium presentations should be limited to 15 minutes of pre- recorded video. Video presentations must be submitted by October 18, 2021 to Paul Stoetzer, N8HM, n8hm at arrl dot net. We ask that presenters be available to take questions via Zoom following the airing of their pre-recorded video.

Tentative Schedule

9:00am CDT - Opening Remarks
9:15am CDT – 2:00 pm CDT - General Presentations
2:00pm CDT – 3:00 pm CDT - AMSAT Education / CubeSat Simulator
3:00pm CDT – 4:00 pm CDT - AMSAT Engineering
4:00pm CDT – 5:00 pm CDT - 2020 AMSAT Annual General Meeting

Questions regarding the Symposium can be directed to info at amsat dot org.

[ANS thanks the Symposium organizers for the above information]

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KE4AZZ>APRS,DX3MYA*,WIDE1*,qAR,KD8THX-6:
>121508z[224] KE4AZZ EL87
KE4AZZ>APRS,DX3MYA*,WIDE1*,qAR,KD8THX6:
=2702.06N/08209.93W`KE4AZZ EL87
Robert MacHale, KE6BLR comments on the two new APRS satellites added to the APRS constellation: "They are in an approximate ISS orbit from which they were deployed a week or so ago. They also use the alias of ARISS making operations easy."
Christy Hunter KB8LTY reports:
"I got 6 beacons digi'd thru MAYA-3 today (10/13/21). (never heard MAYA-4 beacons although heard it yesterday) I used 2 separate paths, ARISS, and DX3MYA, both were successful.I used TLEs (named from SatNOgs using Celestrak):"
 maya-3
 1 49273U 98067SS 21285.96953269 .00027554 00000-0 48953-3 0 9997
 2 49273 51.6413 120.2941 0005565 120.1632 239.9909 15.49963282 1115
 maya-4
 1 49274U 98067ST 21286.09863284 .00026959 00000-0 47967-3 0 9992
 2 49274 51.6413 119.6562 0005462 119.5971 240.5562 15.49933665 1138
See all APRS sats on http://aprs.org/sats.html

(ANS thanks Bob Bruninga, WB4APR, Robert MacHale, KE6BLR, and Christy Hunter, KB6LTY for the above information.

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Maya-4 - NORAD Cat ID 49274 (was listed as OBJECT ST).
Thanks to Christy, KB6LTY for the identifications.

The following satellite has been added to this week's AMSAT TLE Distribution:
IT-SPINS — NORAD Cat ID 49017
Thanks to David Klumpar,KD7MFJ for requesting this addition

[ANS thanks Ray Hoad, WA5QGD, AMSAT Orbital Elements Manager for the above information]

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Support AMSAT's projects today at https://www.amsat.org/donate/

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Great Lakes Division

AMSAT Ambassador Clint Bradford, K6LCS, makes online presentations to Amateur Radio clubs and other interested organizations. Contact Clint at http://www.work-sat.com or by phone at 909-999-SATS (7287) to arrange a presentation.

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, and Clint Bradford, K6CLS for the above information]

Satellite Shorts From All Over

+ The latest AMSAT Rover Award goes to Richard Nolet, VA3VGR. Richard is awardee #61. The AMSAT Rover award is earned by those who acheive a score of 25 points by meeting the crieteria that is described on the AMSAT Rover Award page: https://www.amsat.org/amsat-rover-award/ (ANS thanks Bruce KK5DO, AMSAT Director of Contests & Awards for the above information.)

+ Using IC-705 with SDR-Console v3 for satellite QSOs: Lars Thunberg, SM0TGU has posted some additional "how to" information for IC-705 users: "I have made a small update for my guide about using the IC-705 for satellite QSO with the SDR-Console as control software and receiver. https://www.amsat.se/2021/01/01/working-satellites-with-ic-705-pstrotator-sdr-console/ 73, Lars SM0TGU" Lars has posted a number of good "how-to" blogs on the AMSAT-SM website. (ANS thanks Lars Thunberg, SM0TGU, Webmaster, AMSAT-SM for the above information.)

+ UVSQ-SAT: Transponder active on October 17, 2021 from 12 p.m. UTC to 11 p.m. UTC. The LATMOS team has programmed the UVSQ-SAT satellite to go into transponder mode on Sunday, October 17, 2021 from 12 p.m. UTC. The transponder will be active for 11 consecutive hours. From October 16 at 12:00 UTC, an ASCII message will be broadcast to announce that transponder mode will be activated. More information on the satellite: UVSQsat (amsat-f.org)(ANS thanks Paul Stoetzer, N8HM, for the above information.)

+ Adapter structure with 10 CubeSats installed on top of Artemis moon rocket. Workers at NASA’s Kennedy Space Center have lifted the Orion Stage Adapter on top of the Space Launch System moon rocket, adding the structure housing 10 CubeSat rideshare payloads heading into deep space on the Artemis 1 mission. But three of the CubeSat missions missed their opportunity to fly on the first SLS mission.
NASA has not announced a target launch date for the mission, known as Artemis 1, but it is expected to fly some time in early 2022. The test flight will pave the way for the next SLS/Orion mission, Artemis 2, to carry four astronauts to lunar orbit as soon as 2023. More information available at : https://bit.ly/3FETY0P (ANS thanks Stephen Clark of Spaceflight Now for the above information.)

+ Orbiting between Mars and Jupiter lies a large asteroid, averaging 225 km in diameter (and shaped like a potato!) and made largely (30-60%) of metal—its size and composition make it unique in our solar system. This is Psyche, a mysterious world full of questions. How was it created? What is the connection between it and the other planets? What does a metal-rich surface look like? Dr. Lindy Elkins-Tanton at Arizona State University, principal investigator of the Psyche mission, leads a team that’s aiming to solve the mystery of how Psyche was created. Scientists suspect that Psyche is a stripped core of a planetesimal: a metal core left floating in space after collisions stripped at least some of the rocky mantle surrounding it. The Psyche mission was selected along with its sister mission Lucy as the 14th mission in NASA’s Discovery program. The Psyche spacecraft is jointly built; its body, the Solar Electric Propulsion chassis, comes from Maxar Technologies, but its brains, the main computer and software, come from NASA’s Jet Propulsion Laboratory. More at https://bit.ly/3aA7V1G (ANS thanks The Orbital Index for the above information.)

+ AMSAT-EA is already working on the mission of what will be the first satellite of URE (Spain's national amateur radio society), URESAT-1. The URESAT satellite are based on the experience of the previous GENESIS missions, with the GENESIS-N and GENESIS-L satellites (which were lost due to rocket failure in September), and EASAT-2 and Hades, which are scheduled to launch with SpaceX on January 10 from Cape Canaveral. It is expected that said satellite will incorporate an FM voice repeater, FSK transmissions and some type of on-board experiment, which could be a camera with SSDV transmissions or some type of propellant. (ANS thanks Southgate ARC and Union Radioaficionados Espanoles for the above information)

+ The astronauts who will ride SpaceX’s newest Dragon spaceship into orbit later this month have named their spacecraft “Endurance” as a tribute to the human spirit and a historic sailing vessel used by

Antarctic explorer Ernest Shackleton. The new spacecraft, previously known by serial number “Capsule 210,” is scheduled to launch to the ISS on Oct. 30 carrying Raja Chari, KI5LIU, Tom Marshburn, KE5HOC, Matthias Maurer, KI5KFH, and Kayla Barron, KI5LAL. SpaceX’s first two crew-rated Dragon spaceships were named "Endeavour" and "Resilience" by the astronauts who first flew on them. (ANS thanks Spaceflight Now for the above information)

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor, Jack Spitznagel, KD4IZ
kd4iz at frawg dot org